# Wireless Web-Based Generator and Pump Station Monitoring and Remote Control
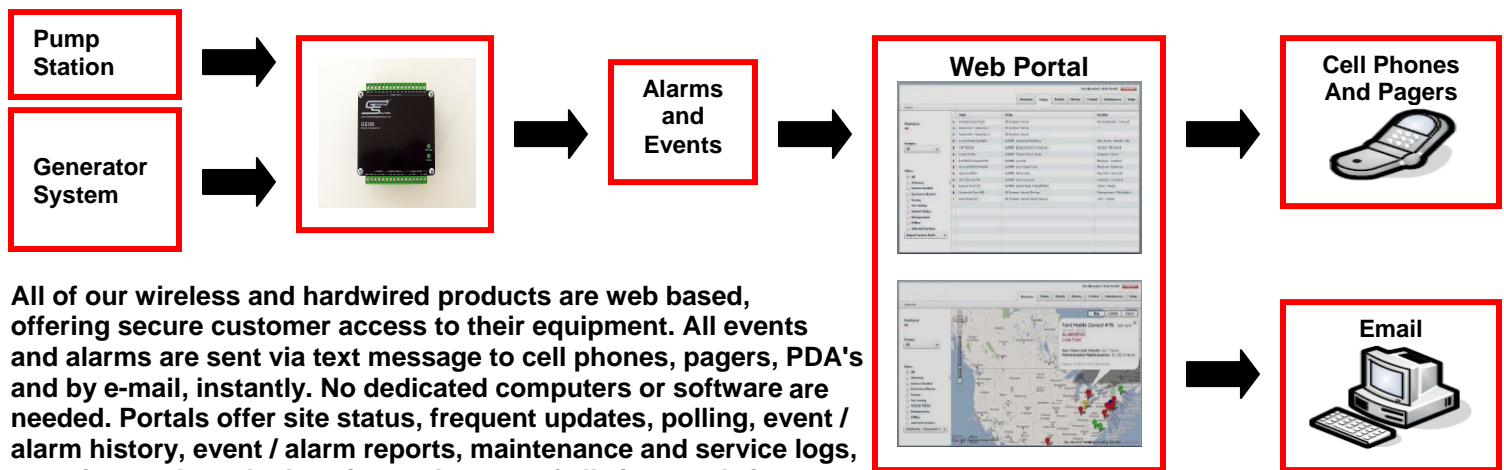
Monitor the critical aspects of your generator systems and Pump stations, 24/7.

Dramatically increase the reliability of your remote equipment.

**If you are tired of not knowing the status of your generator systems, pump stations and other remotely located critical equipment, here's your answer. Generating Solutions offers a web-based monitoring system, loaded with features and benefits at a cost far below the competition.**

## Here's how it works:

**The monitoring system is wired to normally open or closed contacts in the system that closes or opens when an event or alarm happens. The RTU picks up the signal, makes contact with the system server through a variety of available communications means; the server has been programmed to send a message to recipient's based on the individual input it received. It then sends it's programmed message accordingly.**



Pump Station → [RTU device] → Alarms and Events → Web Portal → Cell Phones And Pagers / Email

Generator System →

**All of our wireless and hardwired products are web based, offering secure customer access to their equipment. All events and alarms are sent via text message to cell phones, pagers, PDA's and by e-mail, instantly. No dedicated computers or software are needed. Portals offer site status, frequent updates, polling, event / alarm history, event / alarm reports, maintenance and service logs, mapping to show the location and status of all sites, and site setup.**

## Typical Generator Monitoring

- Utility Power Failure
- Generator Running
- Transfer Switch in Emergency Position
- Pre – High Engine Temperature
- Pre – Low Oil Pressure
- Overspeed, Overcrank
- Low Engine Temperature
- Common Alarm
- Fault Shutdown
- Low/High Battery Voltage
- Low Fuel Level

## Typical Pump Station Monitoring

- Power Failure Alarm
- Low Level Alarm
- High Level Alarm
- Wet Well Level and Flow
- Pump Run Time Data Logging
- Water Pressure and Flow

Updates site status/information every 15 Minutes

## System Features

- Web-based, hardwired and wireless capable - No dedicated computers or software required
- Access to site/equipment from anywhere: home, office, hotel, etc.
- Secure web-portal requiring user name and password
- DC power supply keeps system up during power outages
- Multiple digital inputs, dry contacts, NO or NC
- Multiple analog inputs, 4 to 20 ma, 0 to 5 vdc
- controlled outputs for remote starting/stopping or turning devices On/Off
- Continuous diagnostics, 24 hours a day, 7 days a week
- Immediate notification of alarms and events
- Daily status updates of each site by email and/or text
- Active mapping feature shows location and current status of all sites on one map
- History file captures all events and alarms, date and time stamped
- Service and maintenance log to track all work or repairs performed on equipment
- Web-based configuration and description for each alarm/event
- Alarms/events sent by text message to pagers, cell phones and email
- Records all events in an event statistics log
- Individualized event messaging
- Connectivity through Ethernet, Cellular digital control channel and Satellite
- Generates reports from history and event statistics file
- Capable of monitoring anything

## System Benefits

- No more expensive and un-reliable auto dialers and modems required
- No more expensive SCADA systems to purchase or maintain
- Use as a troubleshooting tool to catch problems before equipment fails
- Allows your field technicians to work more efficiently and productive
- Reduces labor and travel cost

## Our Most Popular Models

**GS300 (Digital/Cellular Monitoring Device)**

- 14 Digital Inputs -
- 2 Analog Inputs -
- 4 Control Outputs -
- Connected 24/7/365 -
- Web Portal Access -

**GS1500 (Hardwired/Ethernet Monitoring Device)**

- 12 Analog/Universal Inputs -
- 2 Discrete Outputs -
- 2 Discrete Inputs -
- Connected 24/7/365 -
- Web Access -

# *Generating Solutions, LLC*

1646 West Hwy.160, Suite E
Fort Mill, SC 29708
rdawson@generatingsolutions.net
www.generatingsolutions.net
Phone: (704) 904-9461